

FIG. 1

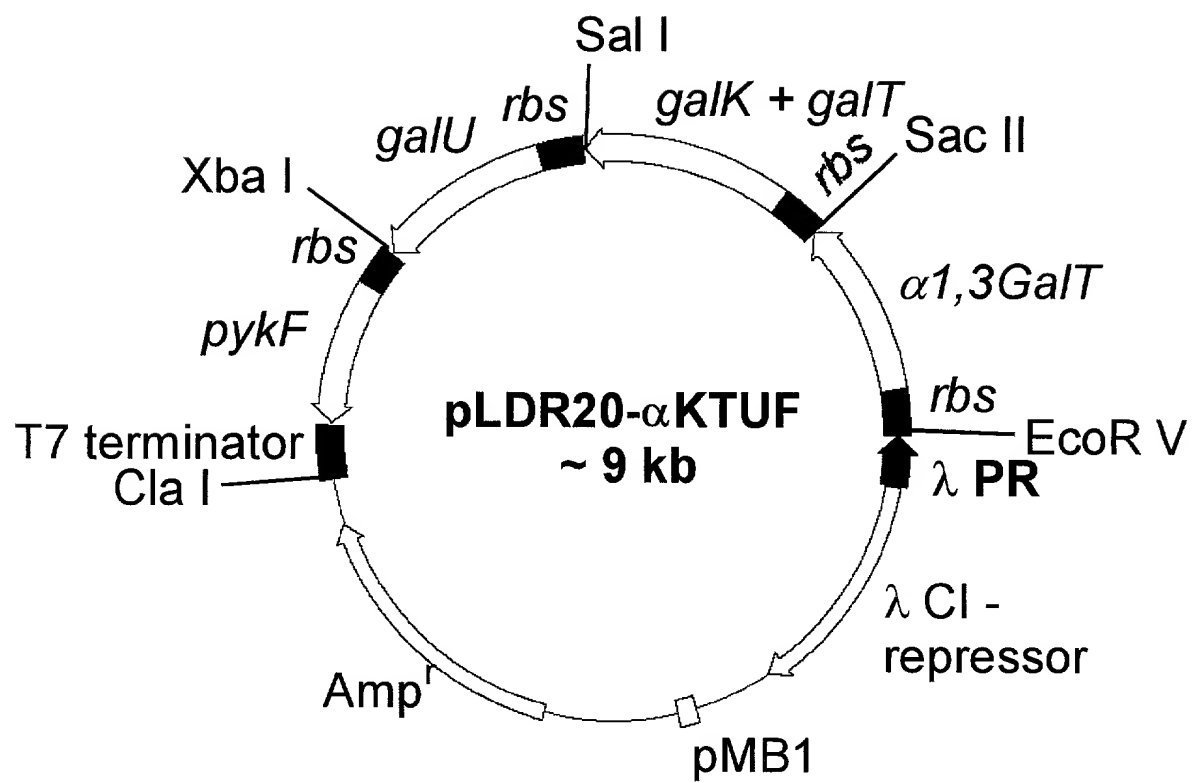


FIG. 2

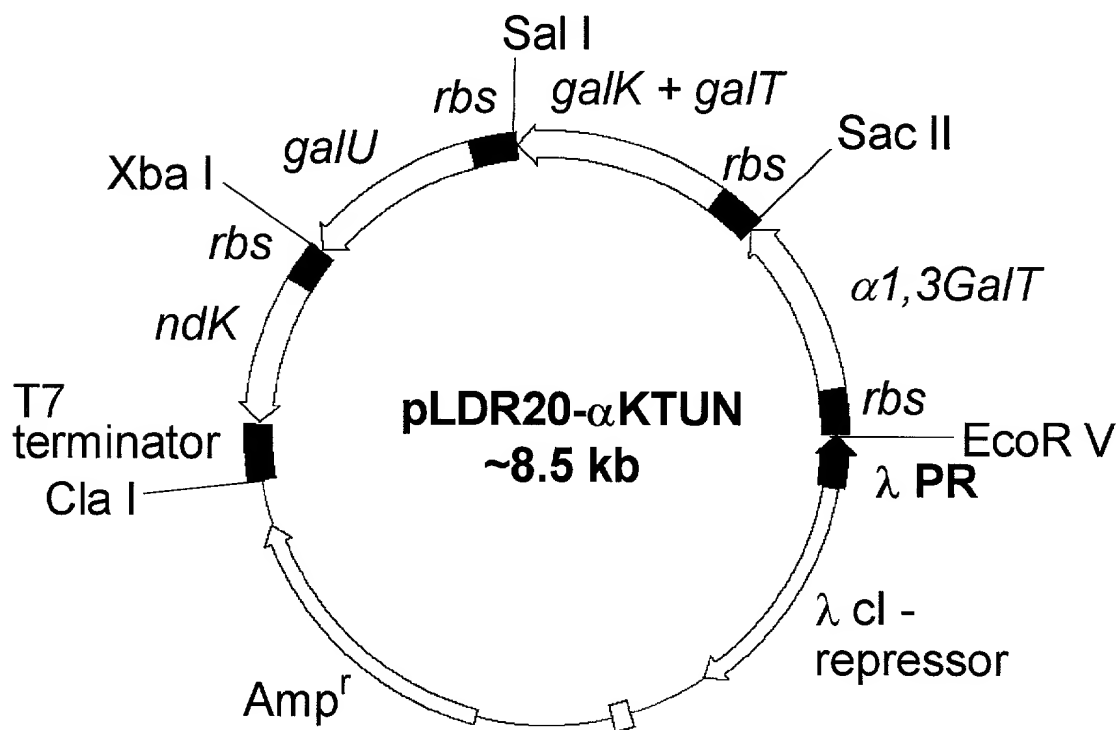
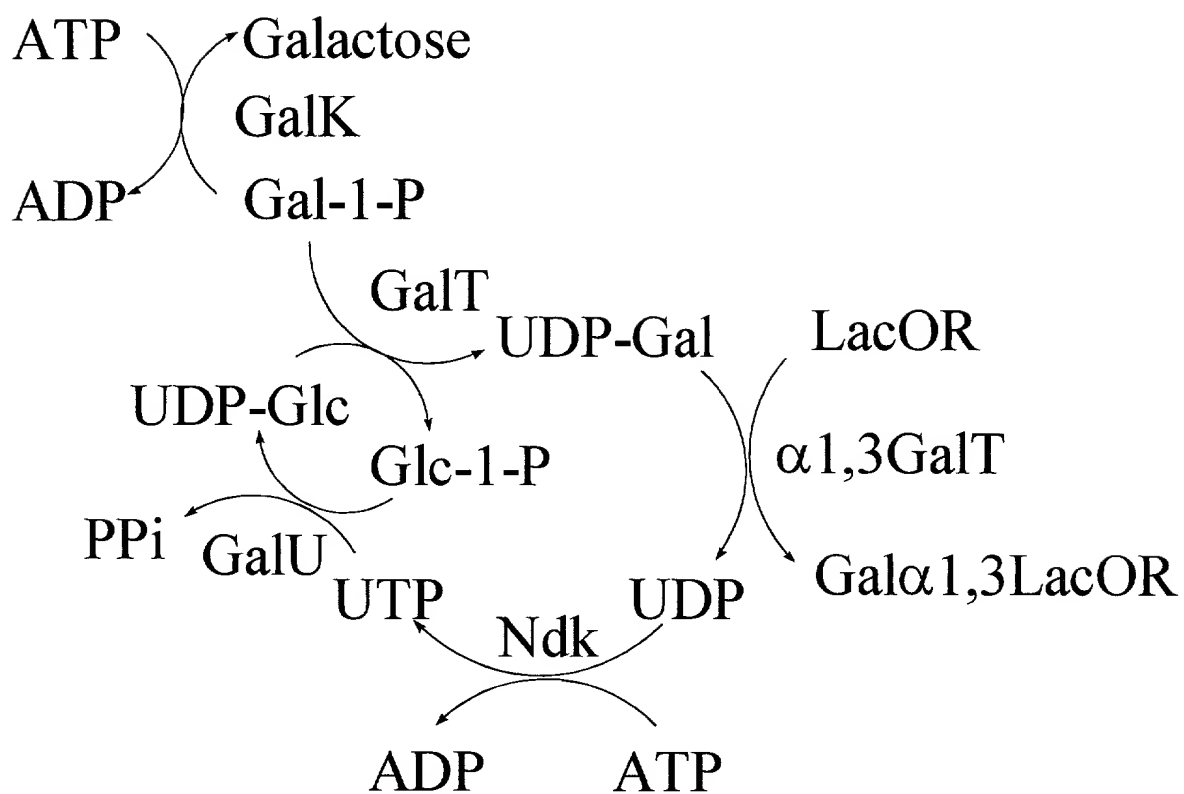


FIG. 3

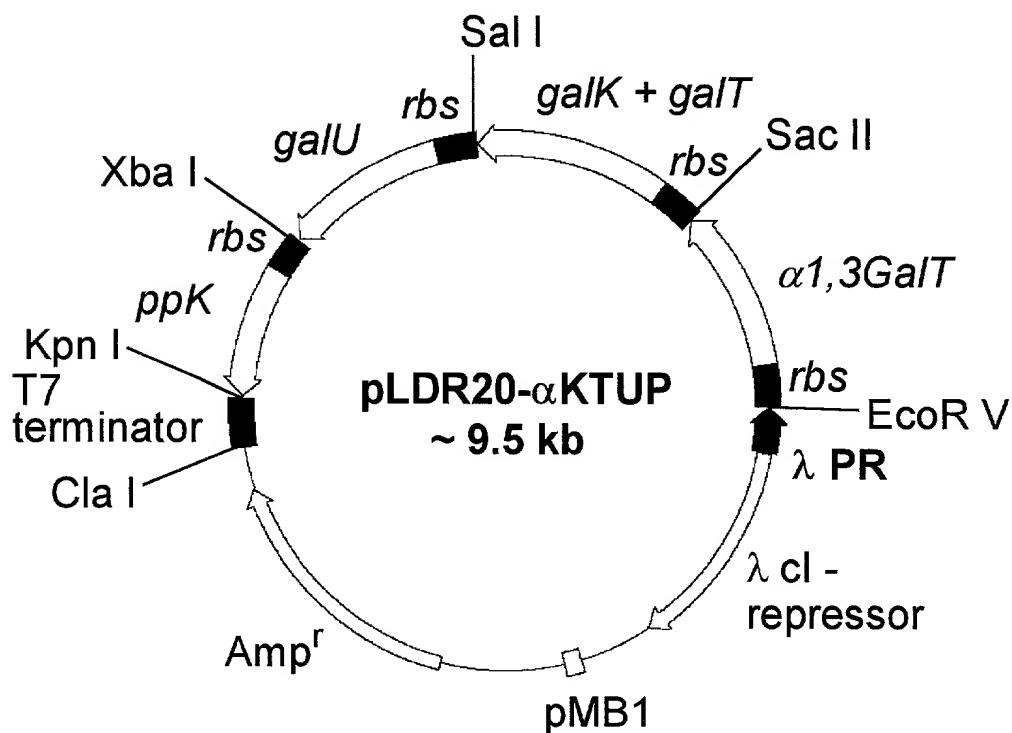
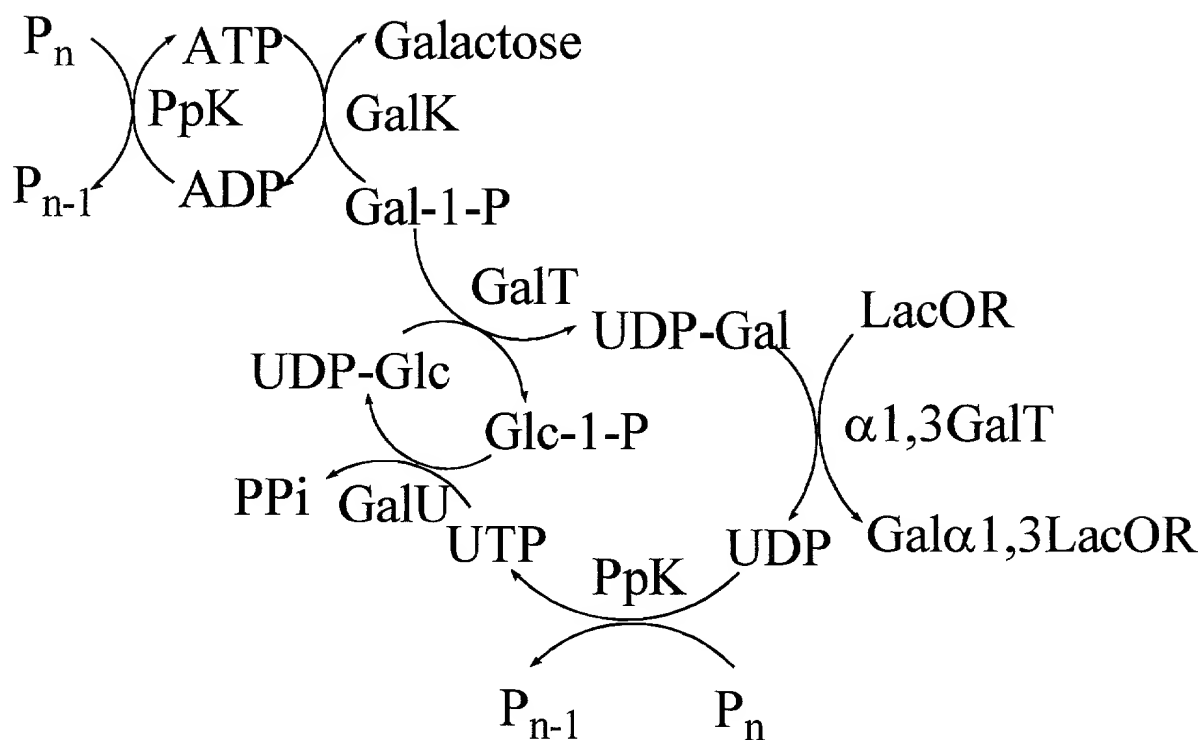
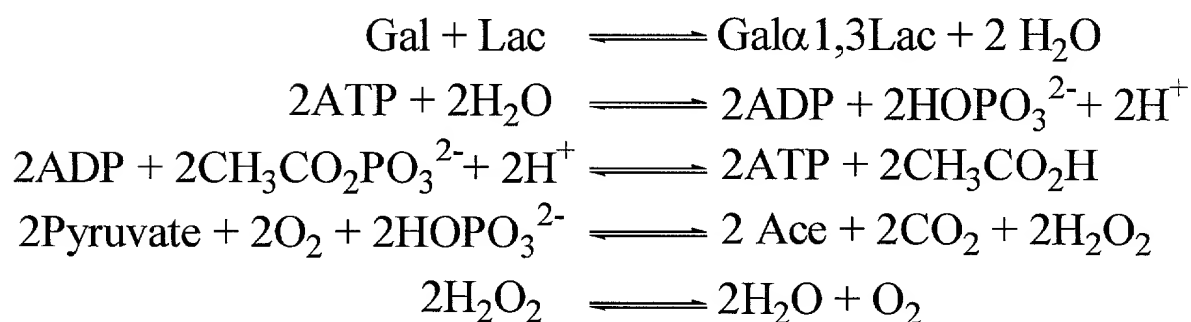
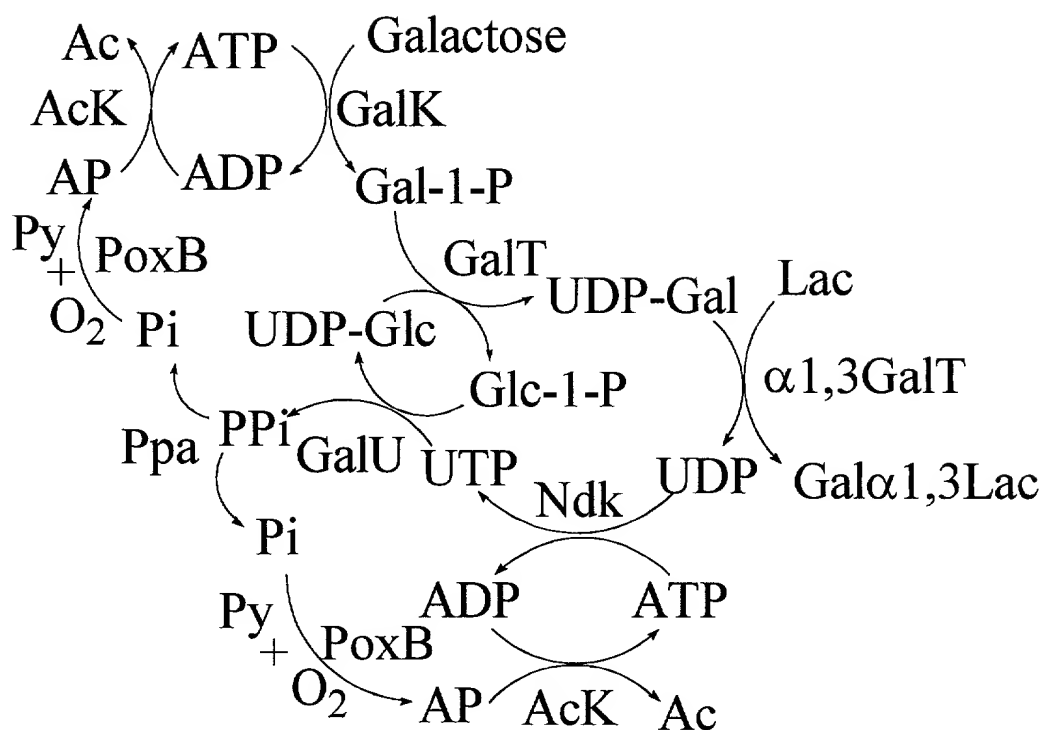


FIG. 4



Balance:

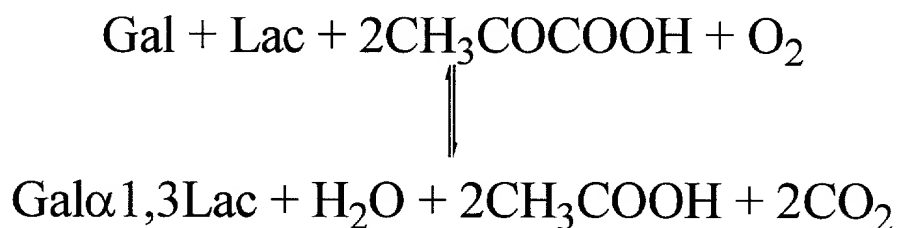


FIG. 5

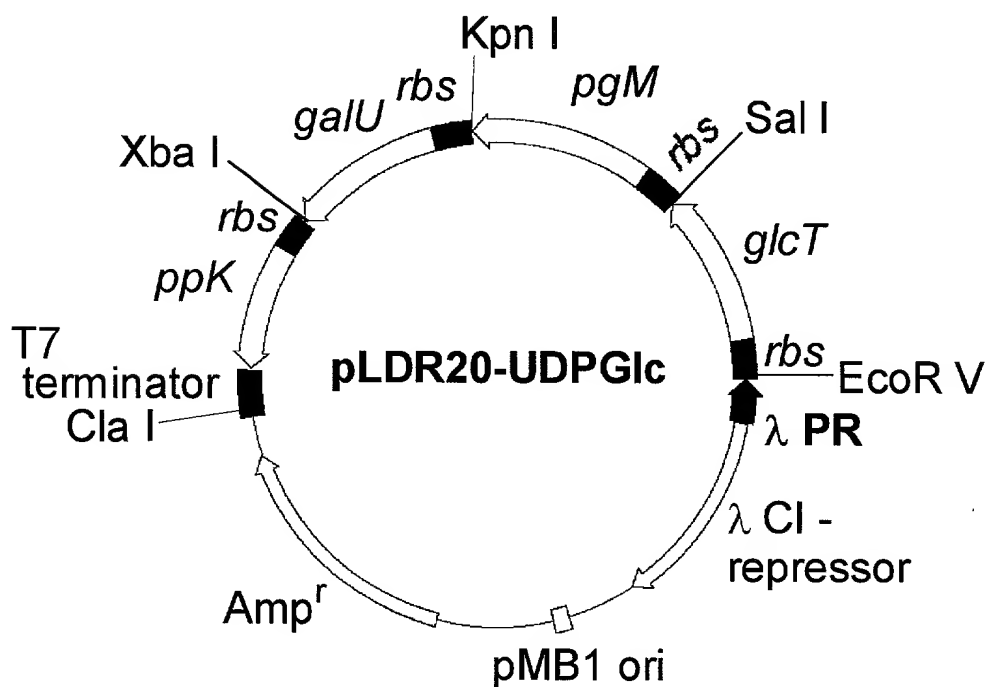
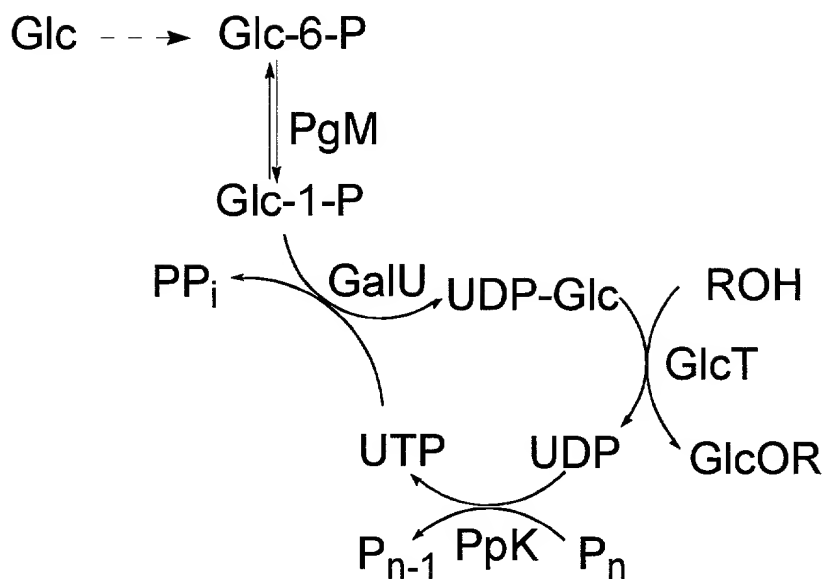


FIG. 6

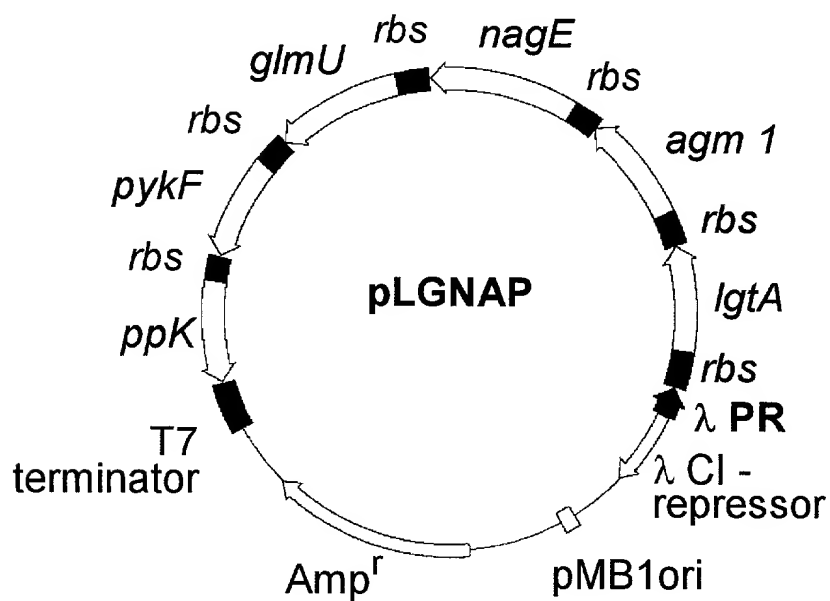
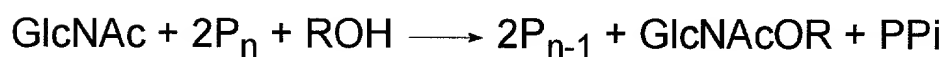
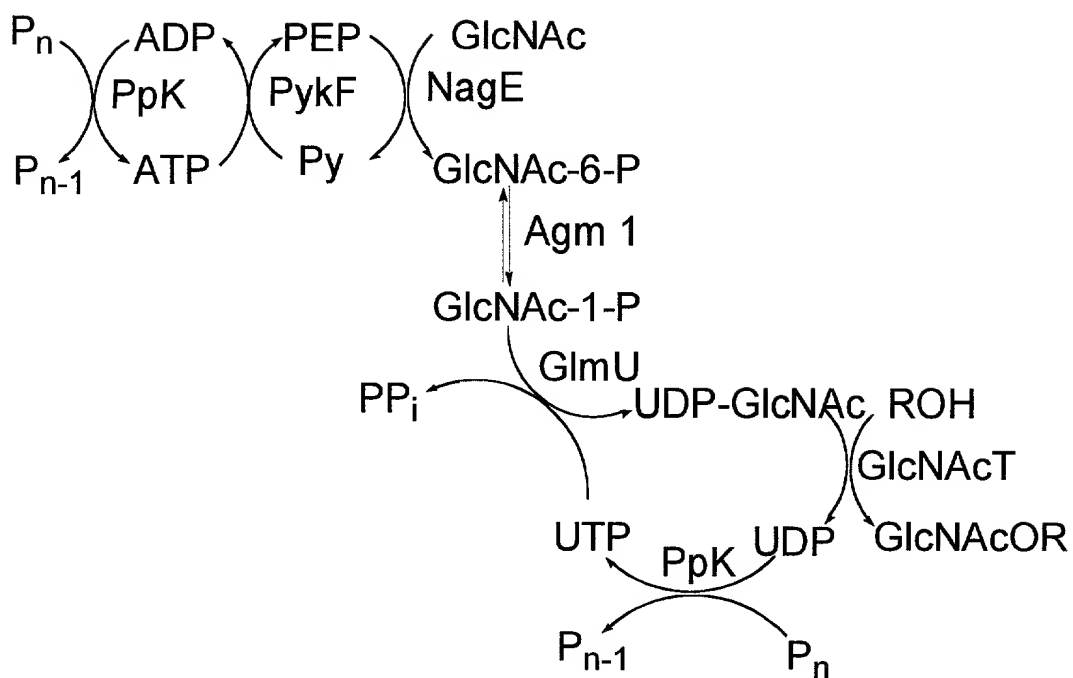


FIG. 7

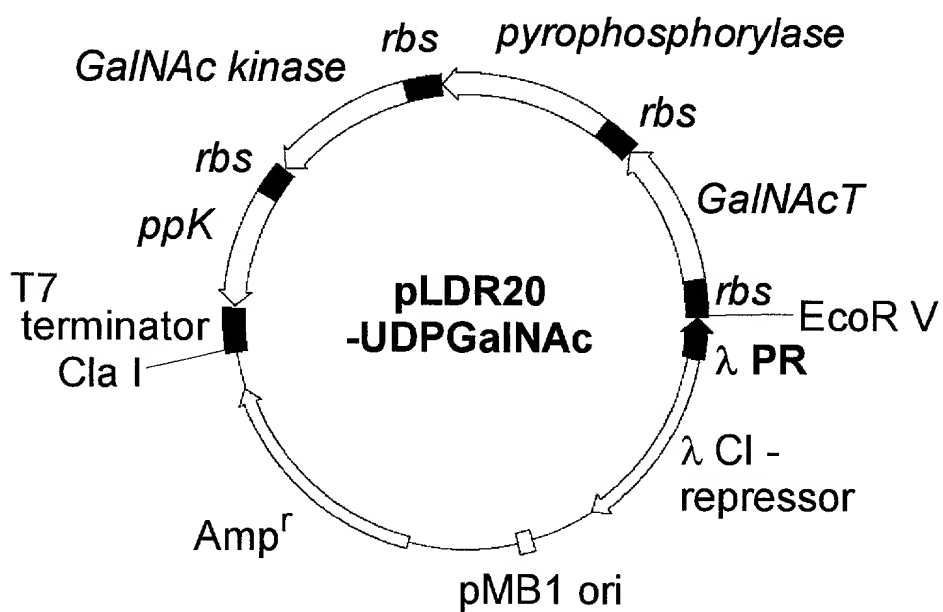
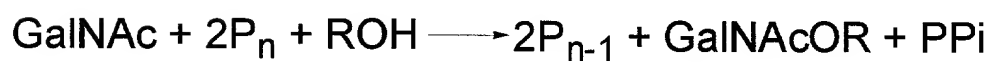
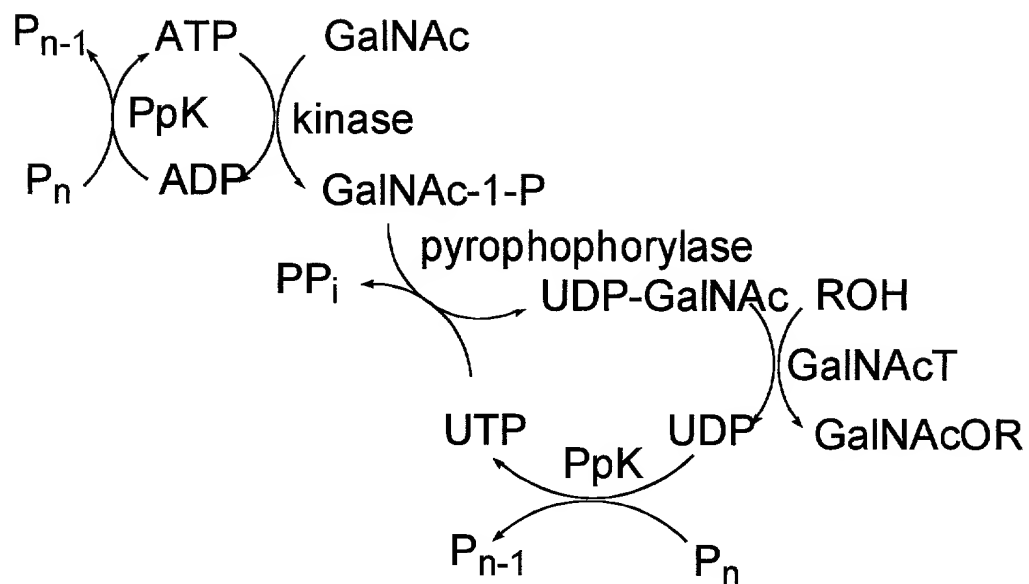


FIG. 8

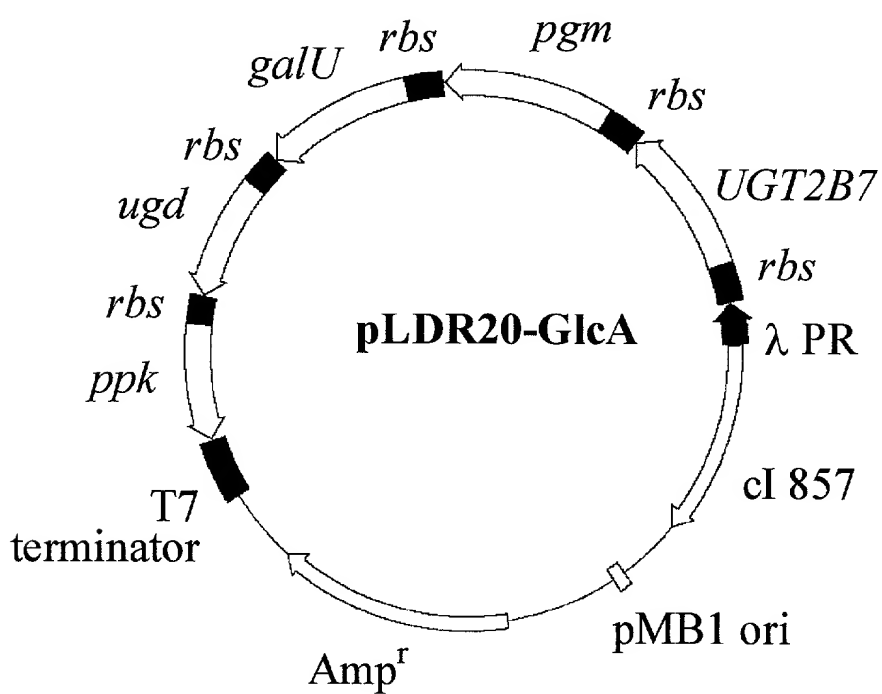
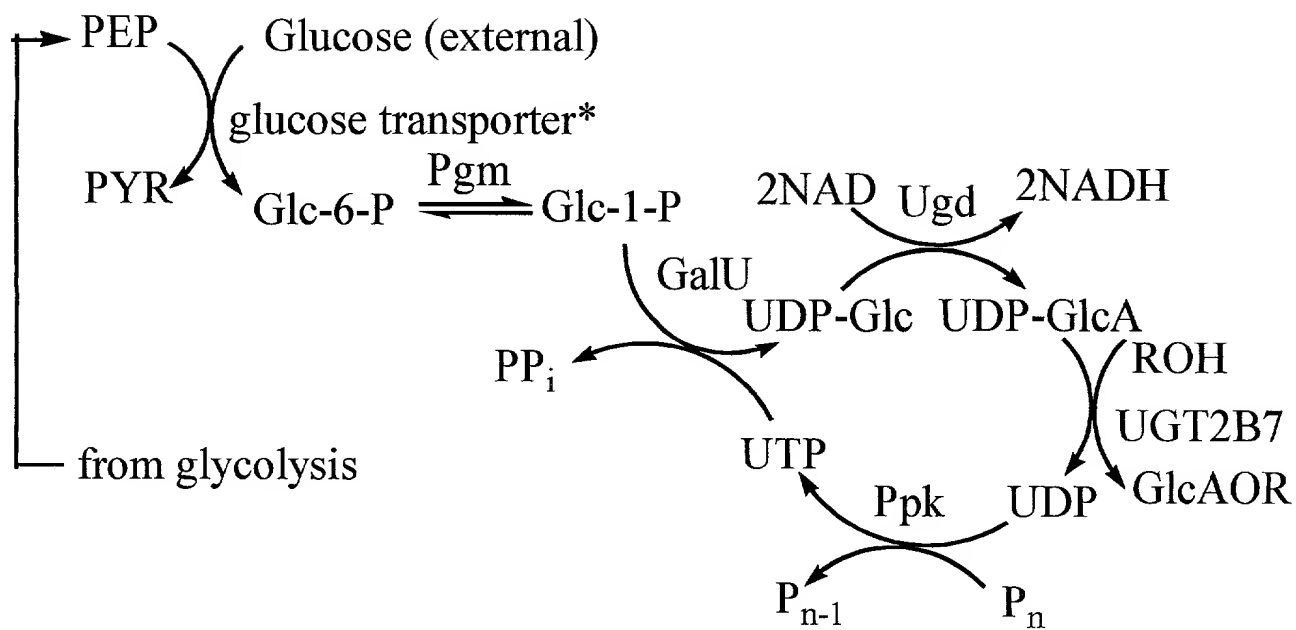


FIG. 9

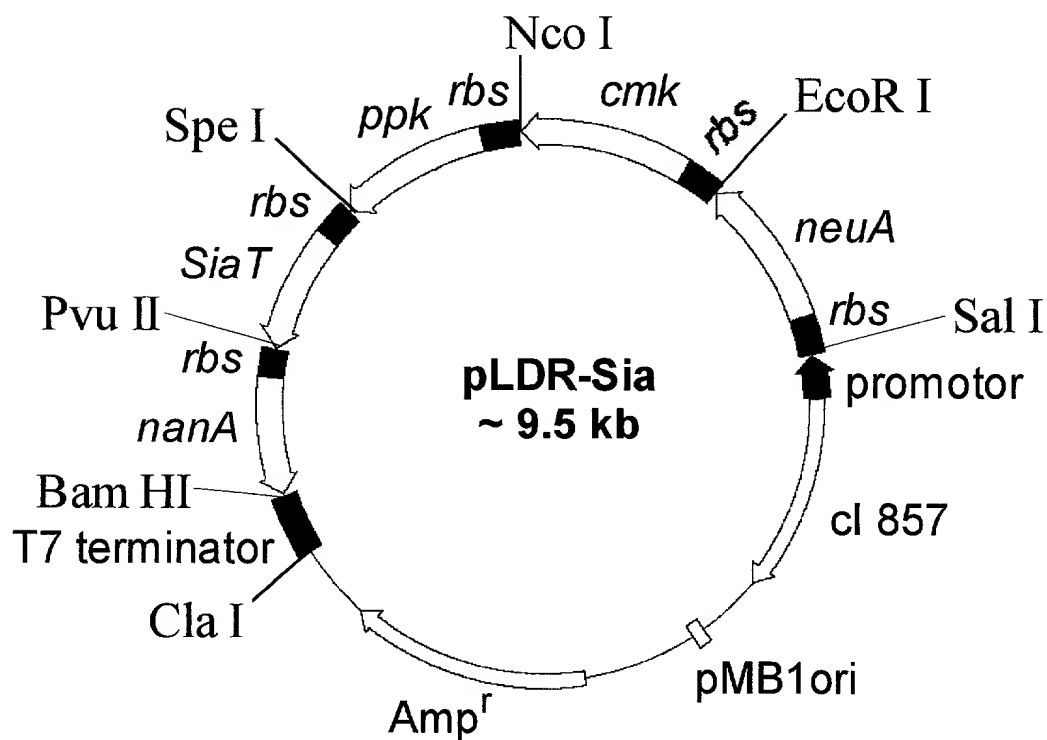
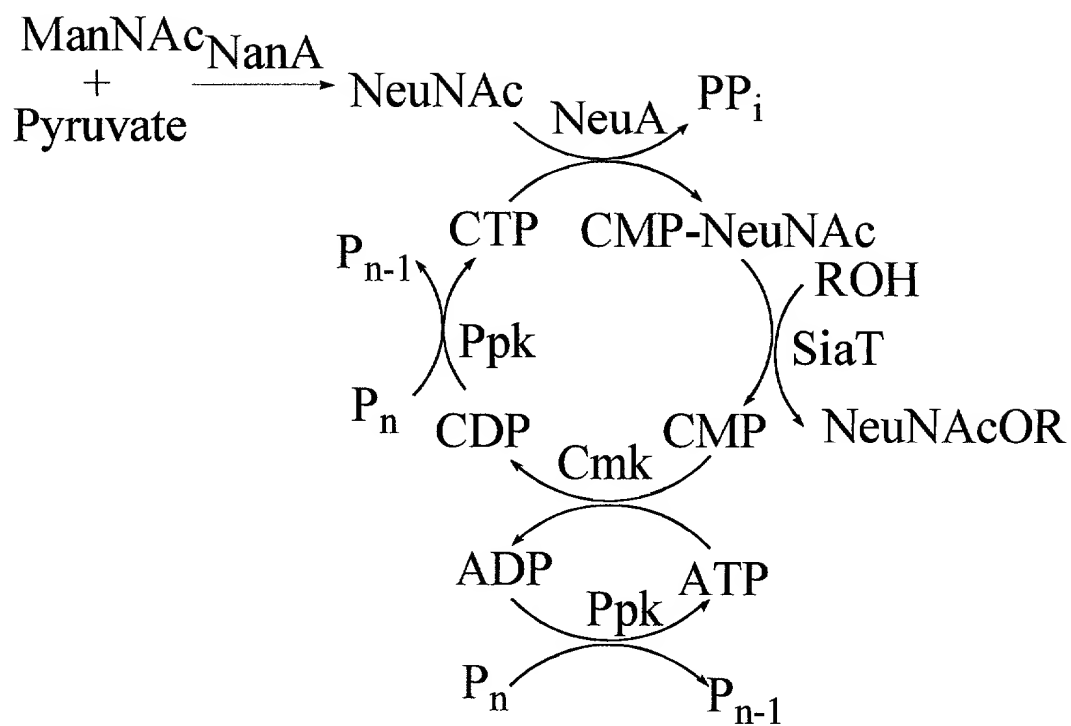


FIG. 10

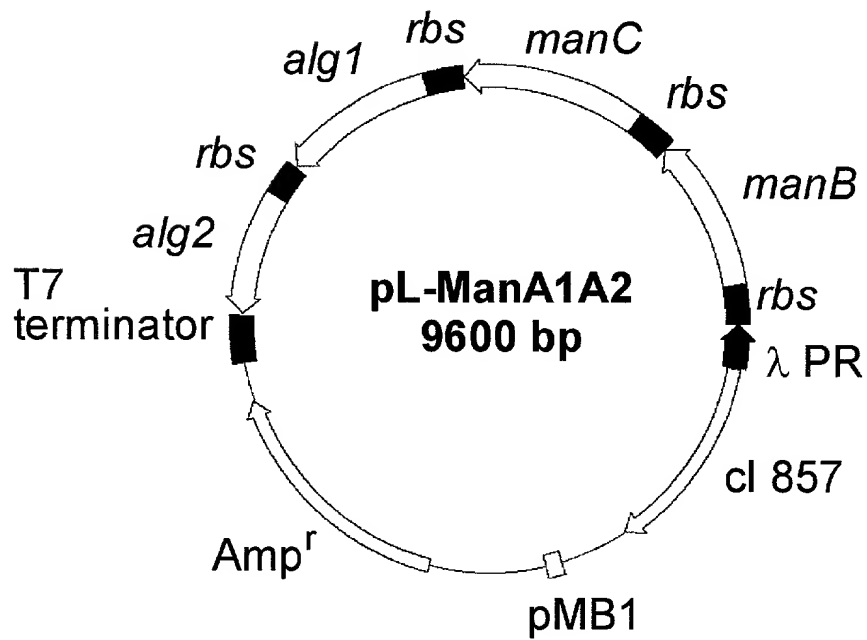
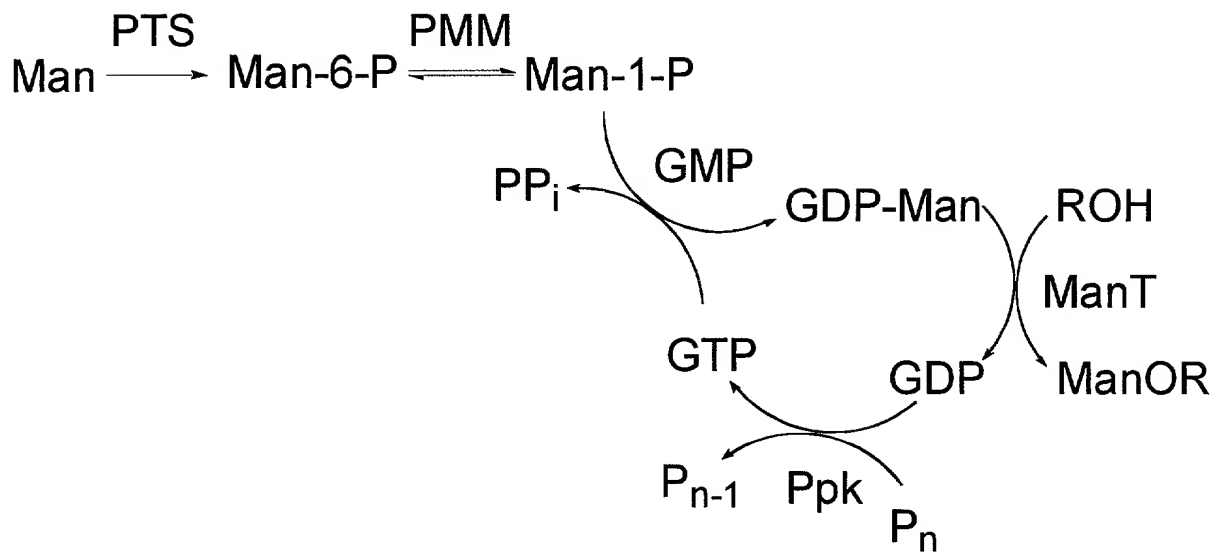


FIG. 11

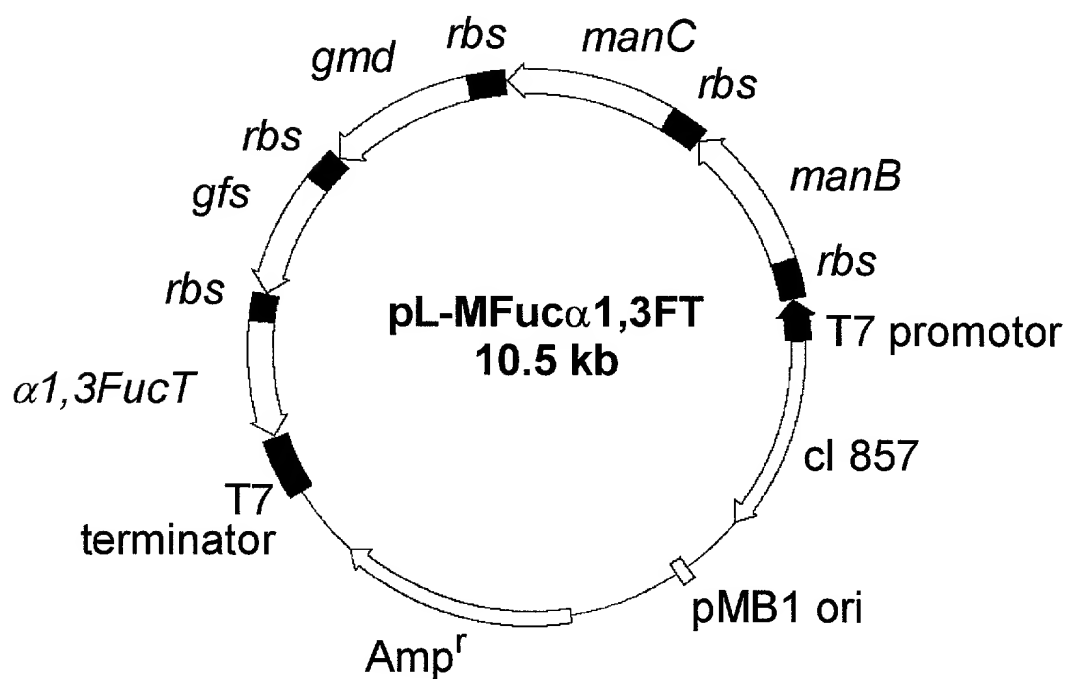
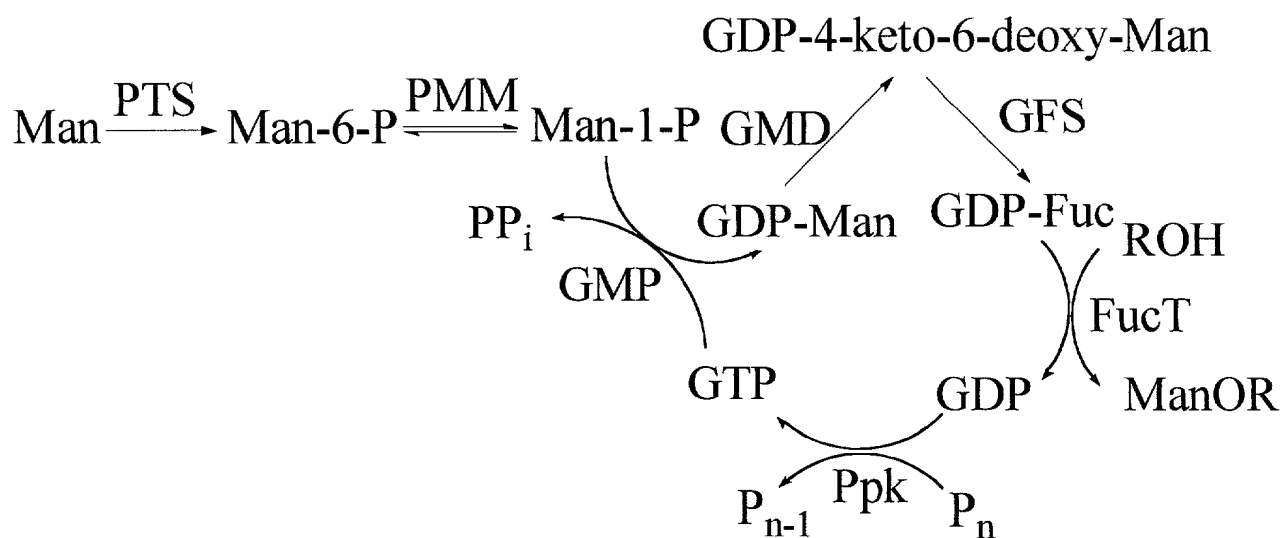


FIG. 12

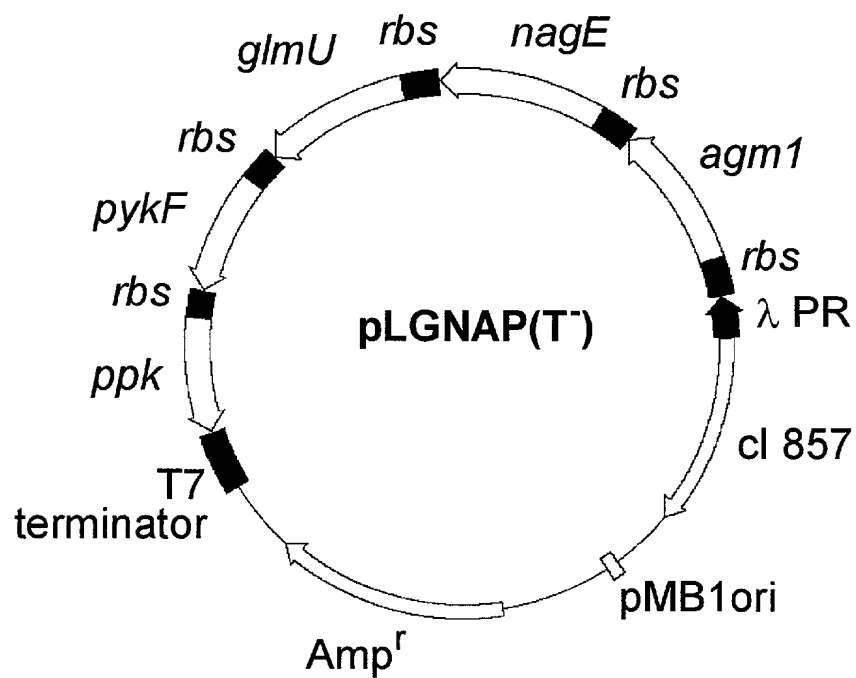
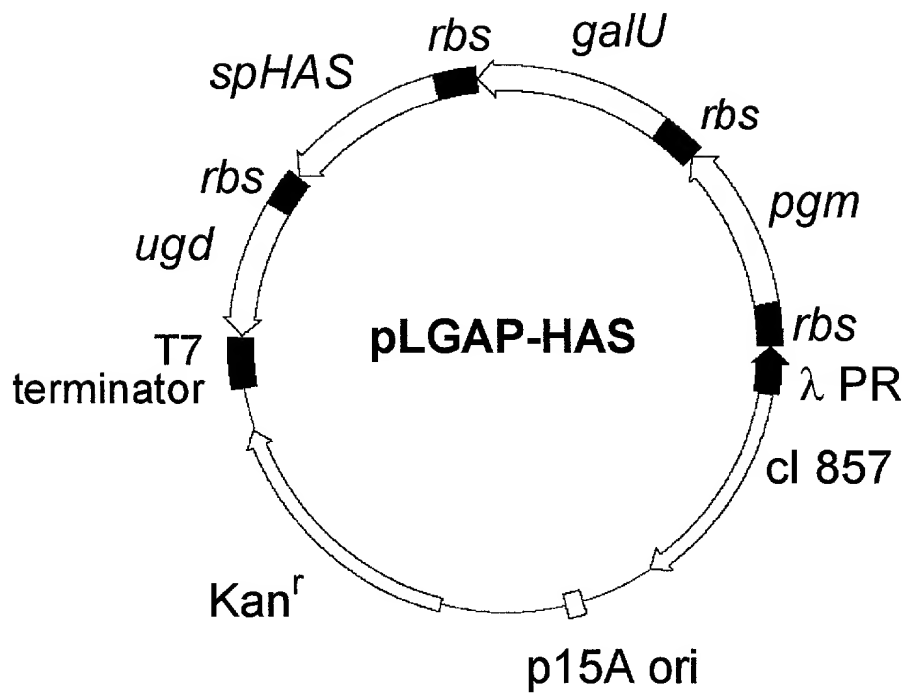
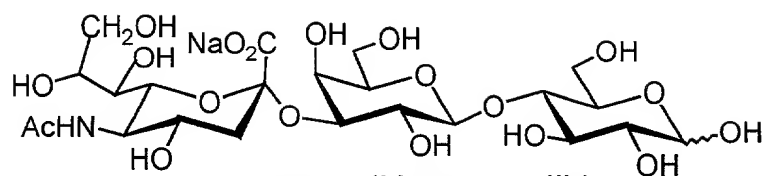
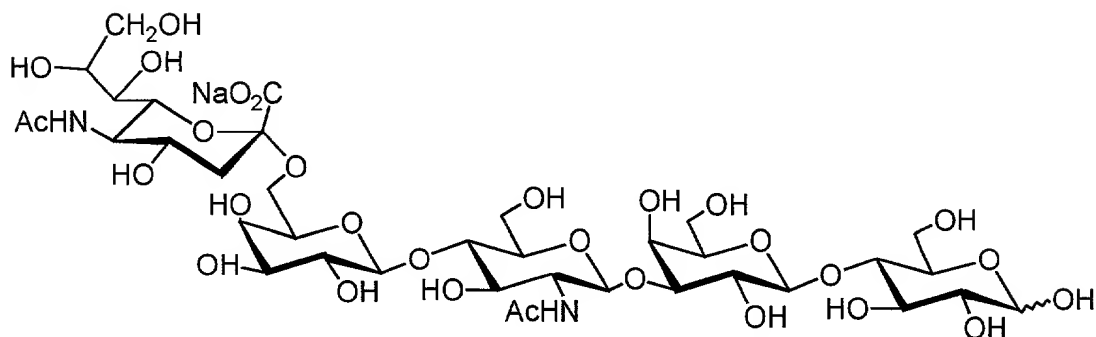


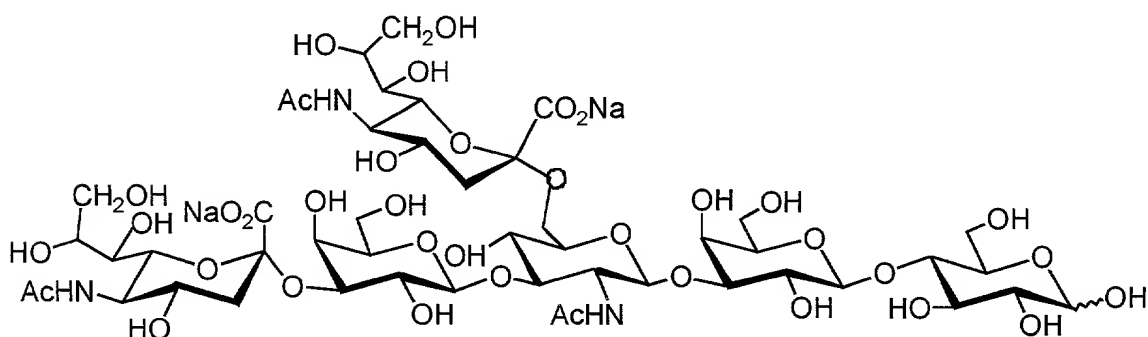
FIG. 13



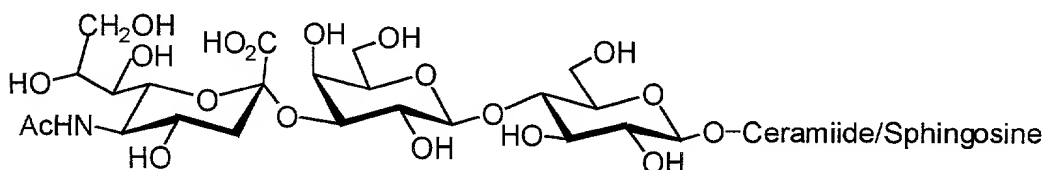
Target I. (Human milk)
 $\text{Neu5Ac}\alpha 2,3\text{Gal}\beta 1,4\text{GlcNa}$



Target II. (Human milk)
 $\text{Neu5Ac}\alpha 2,6\text{Gal}\beta 1,4\text{GlcNAc}\beta 1,3\text{Gal}\beta 1,4\text{Glc}$



Target III. (Human milk)
 $\text{Neu5Ac}\alpha 2,6\text{Gal}\beta 1,3 (\text{NeuAc}\alpha 2,6)\text{GlcNAc}\beta 1,3\text{Gal}\beta 1,4\text{Glc}$



Target IV. GM3 (Bovine milk)
 $(\text{Neu5Ac}\alpha 2,3\text{Gal}\beta 1,4\text{Glc-O-Ceramide/Sphingosine})$

FIG. 14

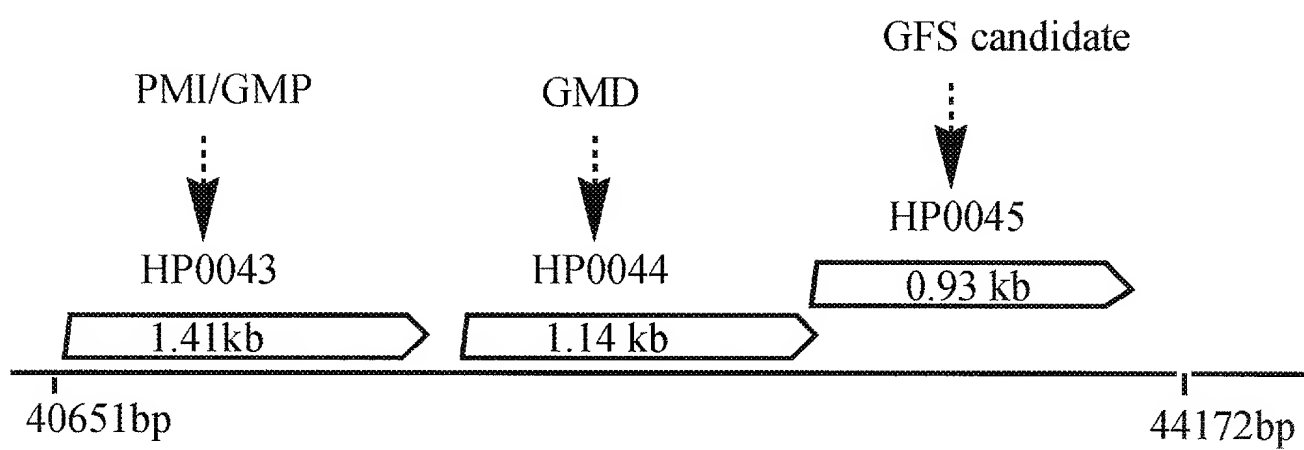


FIG. 16

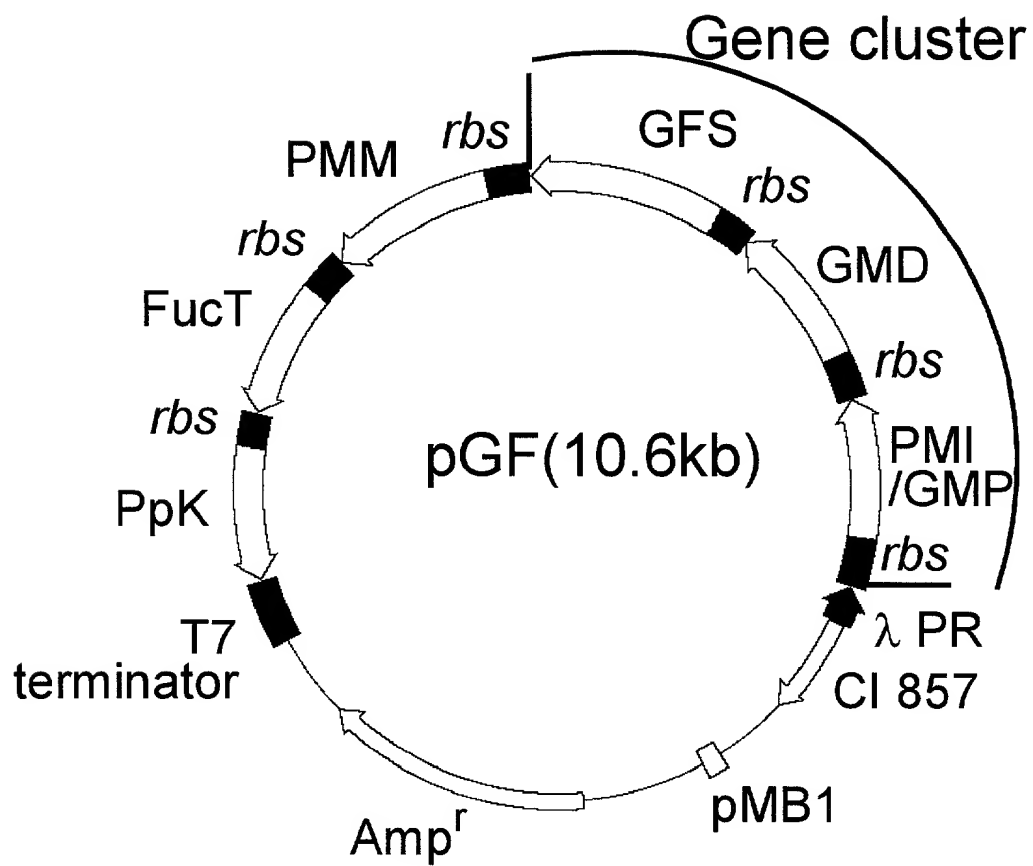


FIG. 17

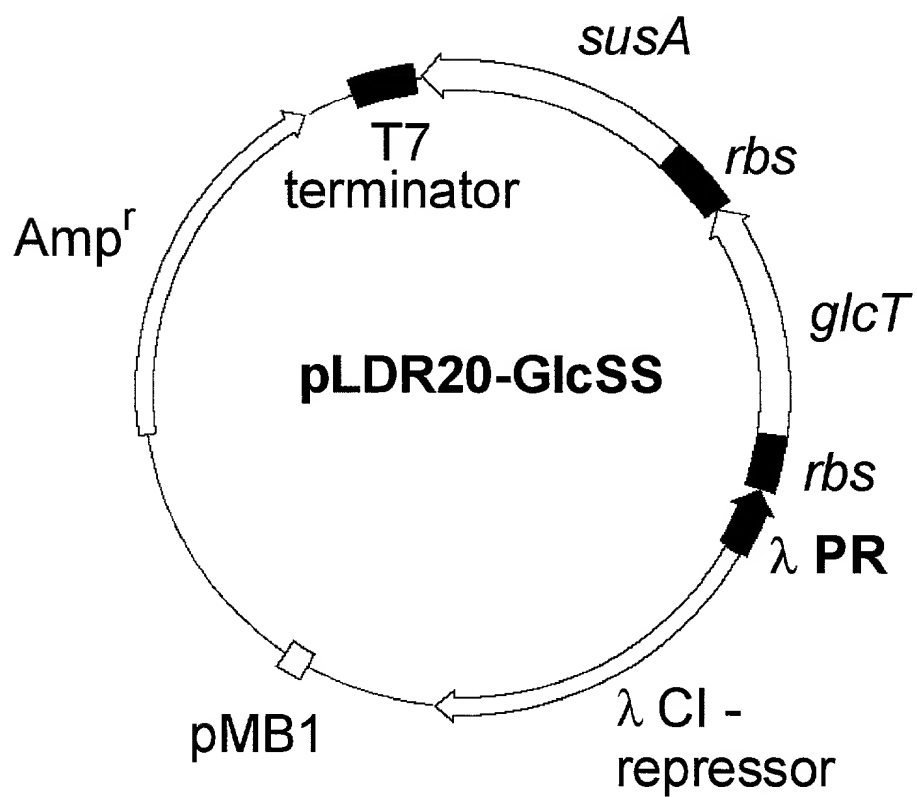
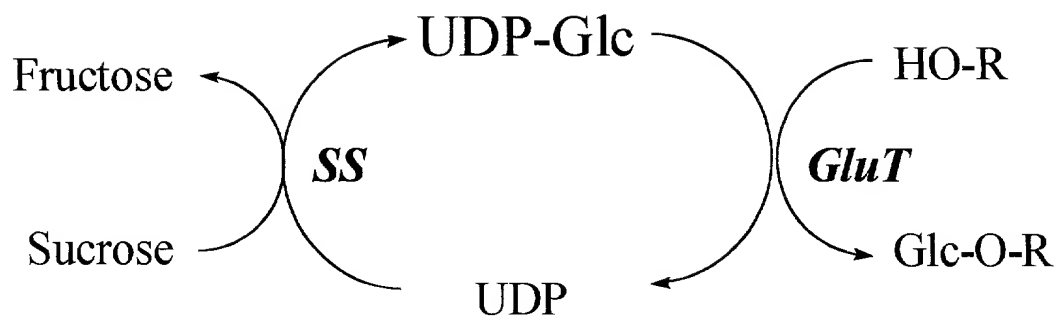


FIG. 18

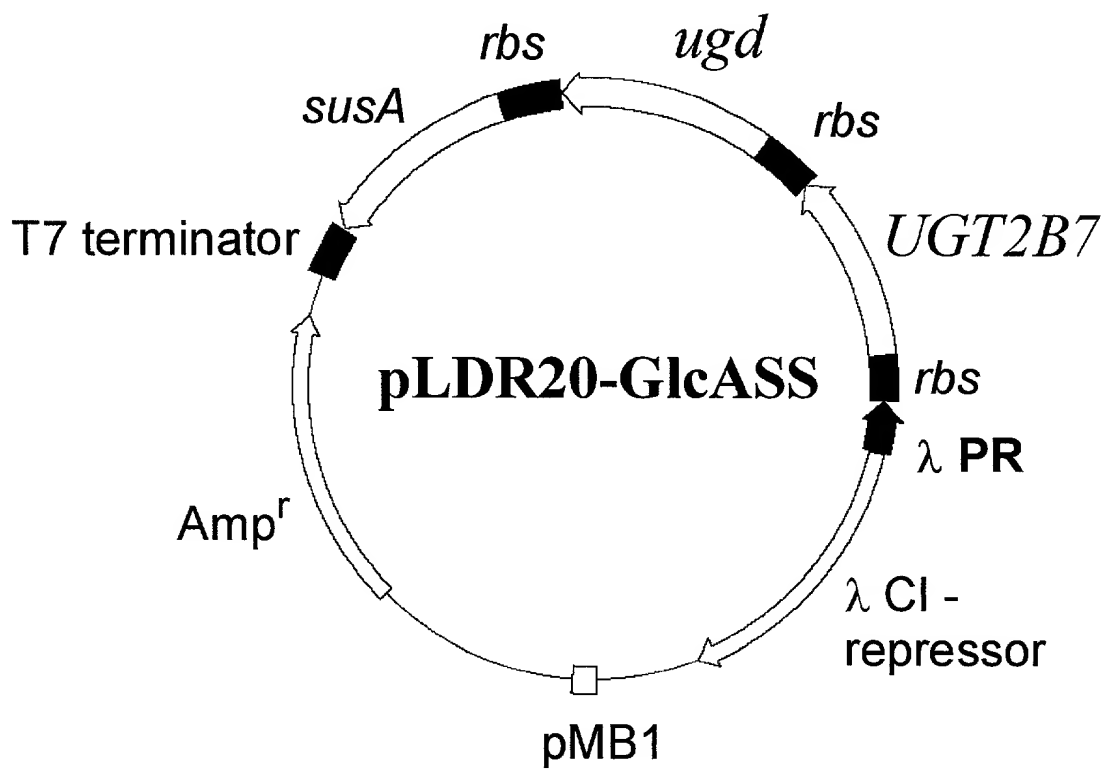
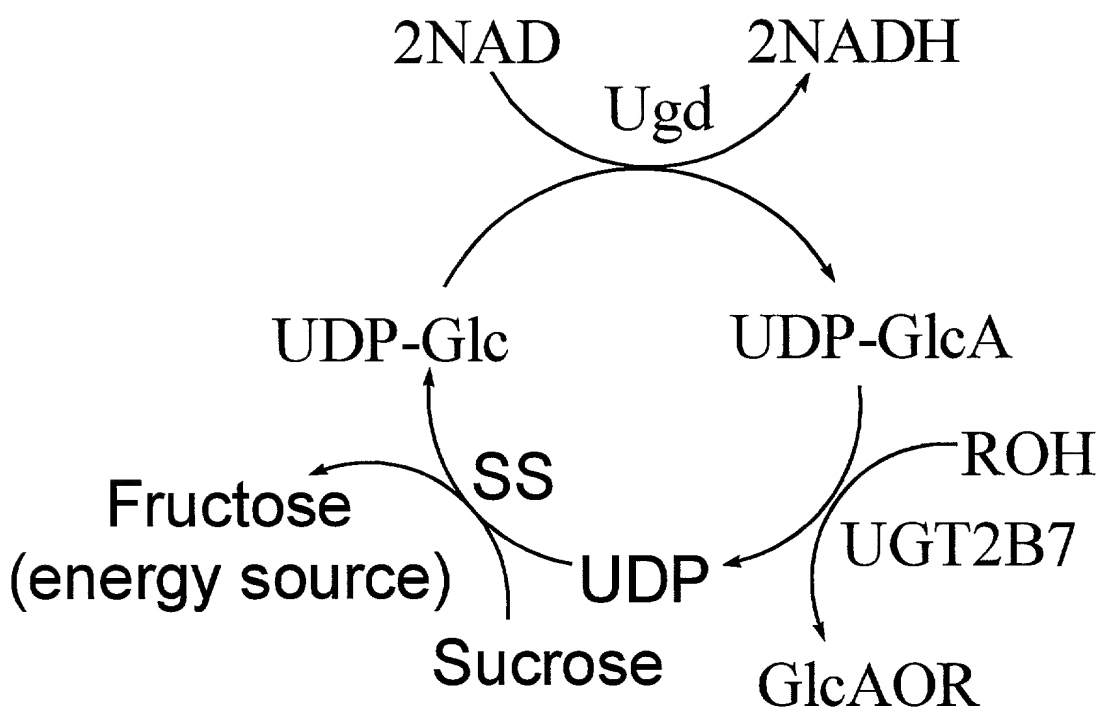


FIG. 19

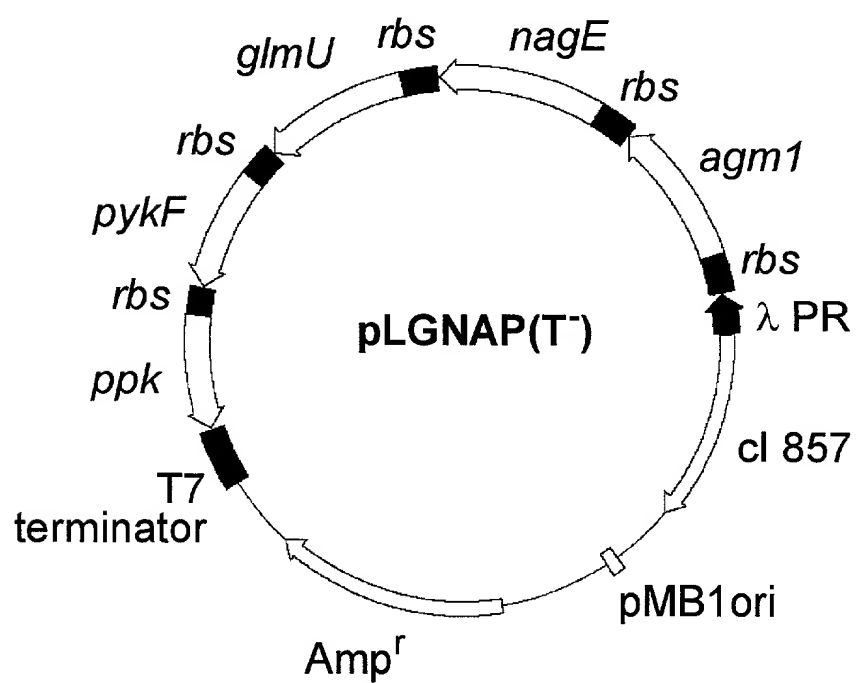
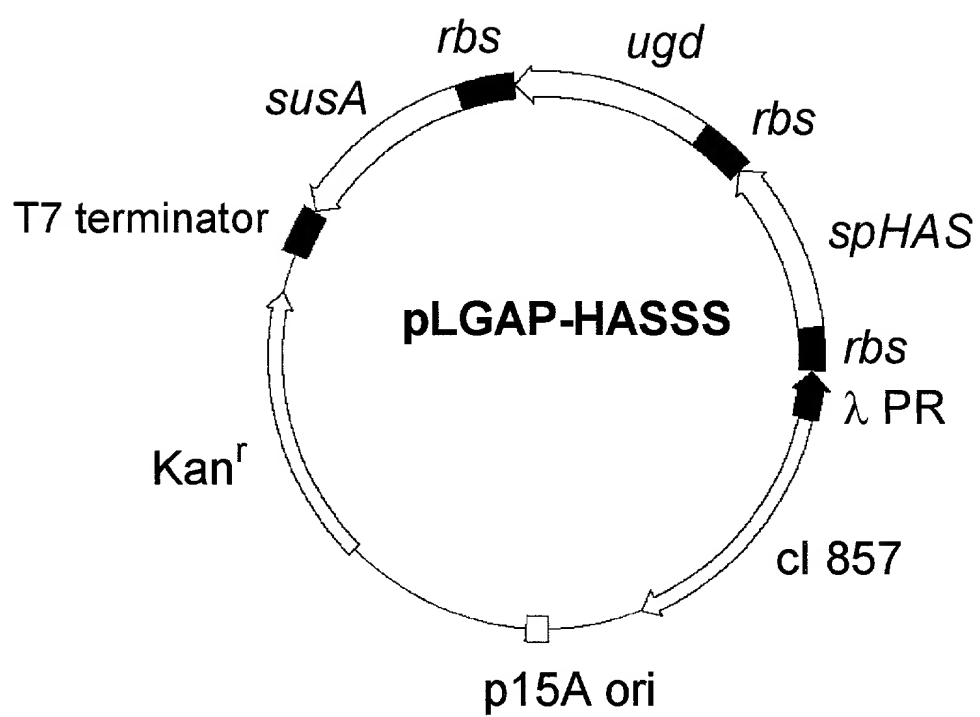


FIG. 20

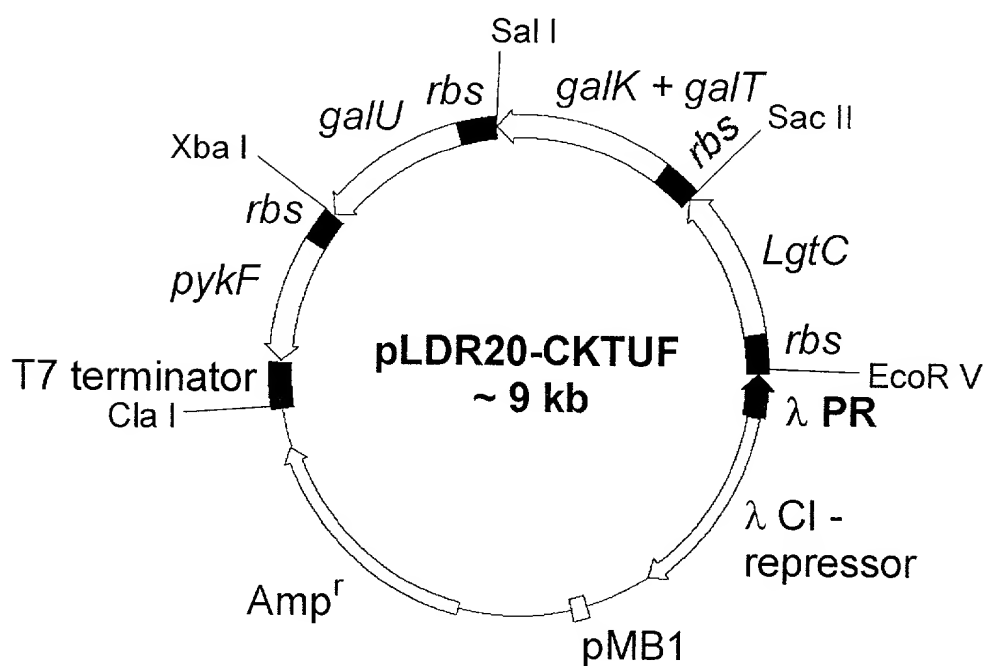
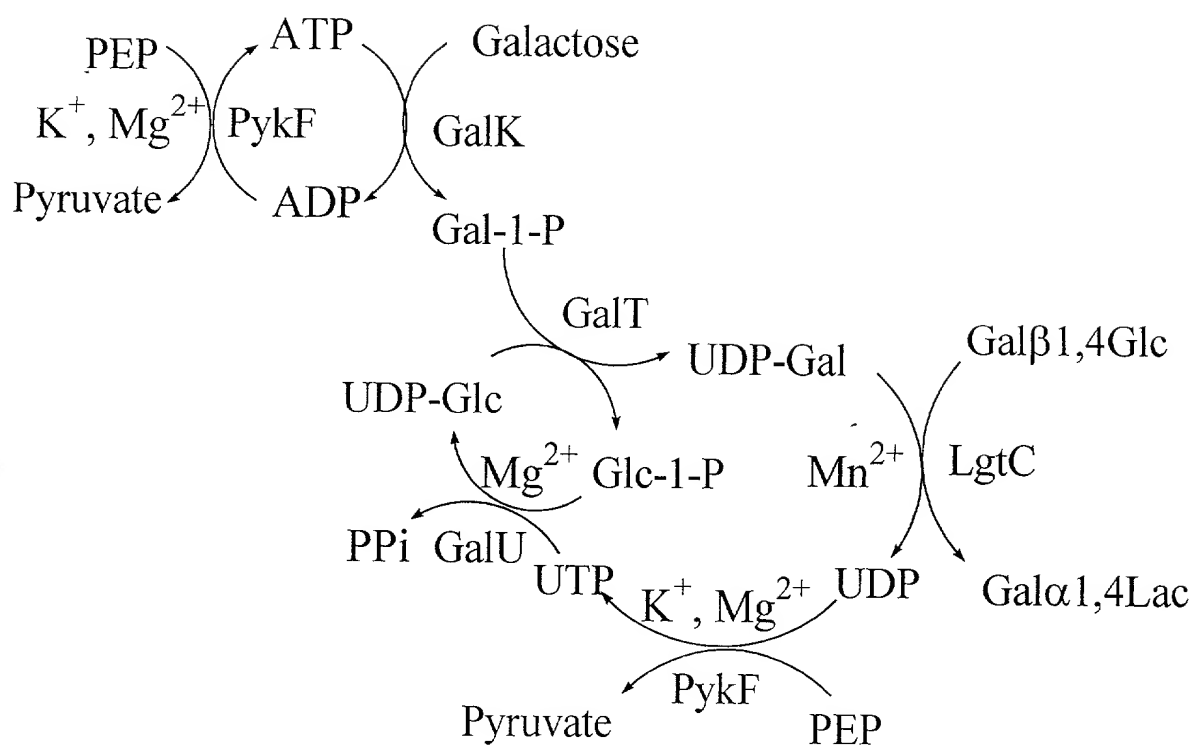


FIG. 21

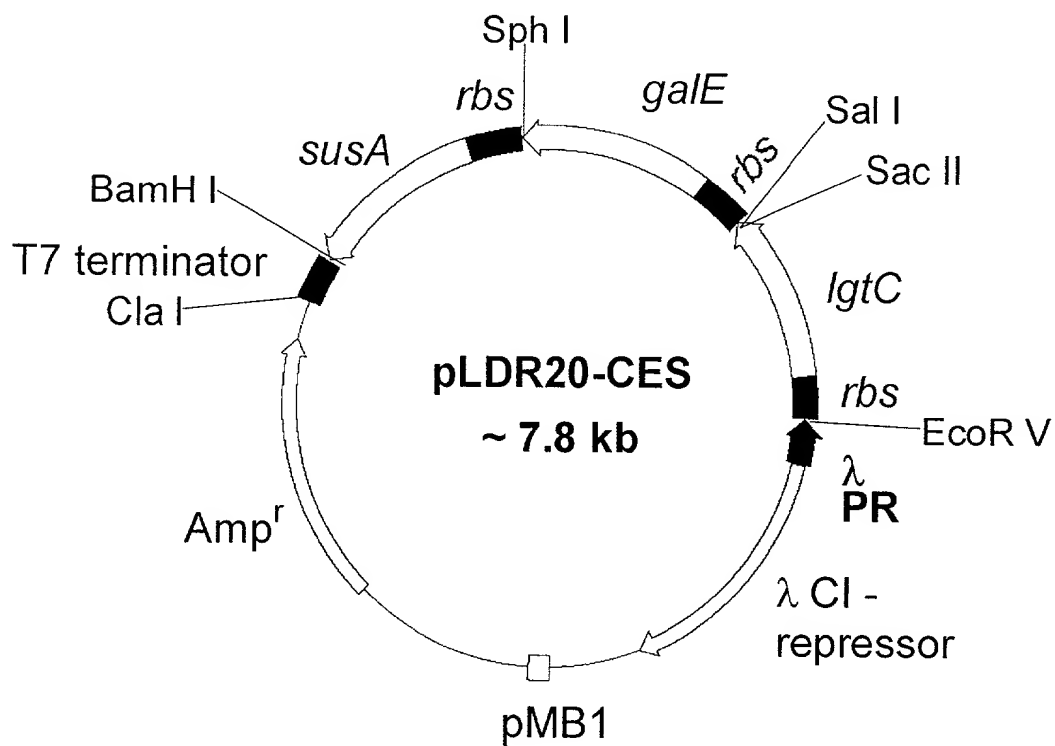
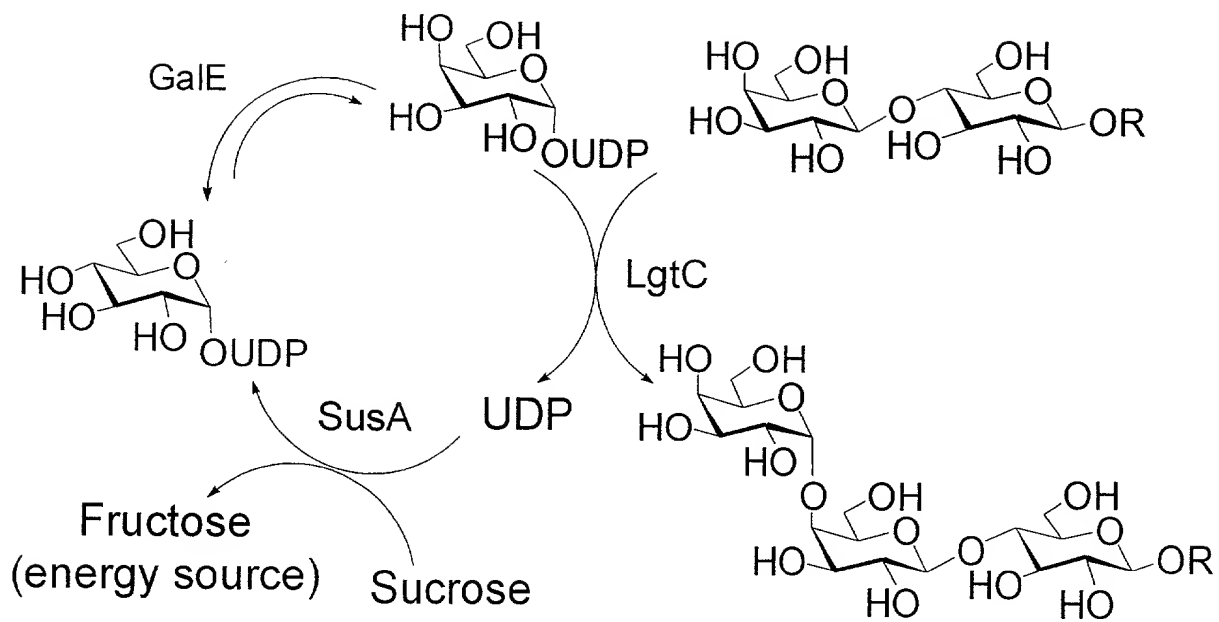


FIG. 22